

Claims

1. An apparatus for dispensing fluid in a dosed manner, comprising a housing, a pressure bag and connecting means, wherein the housing comprises a carrying device for suspending the pressure bag, and pumping means for pumping pressure fluid into the pressure bag, while a measuring device is  
5 provided for measuring, during use, the weight and/or changes in the weight of the pressure bag having a fluid container included therein, the connecting means being designed for connecting the pressure bag to the pumping means.
2. An apparatus according to claim 1, wherein the pumping means comprise an electronically operated pump, in particular a micro pump.
- 10 3. An apparatus according to claim 1 or 2, wherein the measuring device comprises a load cell from which, during use, either the pressure bag is suspended or the apparatus is suspended.
4. An apparatus according to any one of the preceding claims, wherein a regulating unit is provided for operating components of the apparatus, in  
15 particular at least the pumping means, preferably at least on the basis of data coming from the measuring device.
5. An apparatus according to claim 4, wherein the regulating unit comprises communication means for communication with peripheral equipment, in particular for wireless communication, more in particular  
20 BlueTooth® means.
6. An apparatus according to any one of claims 4 or 5, wherein the regulating unit comprises a measuring device for measuring pressure in the pressure bag, in particular via the connecting means, and comprises regulating means for regulating the pressure in the pressure bag through operation of the  
25 pumping means.

7. An apparatus according to any one of the preceding claims, wherein further a flow control unit is provided which can be operated by the regulating unit.

8. An apparatus according to claim 7, wherein the flow control unit  
5 comprises a driving motor, provided with first coupling means, and a tap, provided with second coupling means, while, during use, the tap can be coupled to the driving motor via the first and second coupling means such that the tap can be opened and closed and in particular be set with the aid of said driving motor.

10 9. An apparatus according to claim 7 and 8, wherein the driving motor and the regulating unit are electronically interconnected for operation of the driving motor by the regulating unit.

10. An apparatus according to any one of claims 7 – 9, wherein the tap  
15 is included in the tubing which extends from a fluid container included, during use, in the pressure bag.

11. An apparatus according to any one of claims 7 – 10, wherein the tap has a noncircular passage.

12. An apparatus according to any one of the preceding claims, wherein  
20 the pressure bag is a bag-in-bag or bag-in-container type, in which an inner volume is provided in which fluid is included that can be dispensed, while between an inner wall and an outer wall a second volume is provided, connected to the connecting means for building up pressure in the pressure bag.

13. A pressure bag, provided with an at least partly flexible fluid  
25 container and a pressure vessel extending therearound such that the pressure bag is of the bag-in-bag or bag-in-container type, the fluid container being provided with a connecting element for dispensing fluid therefrom and the pressure vessel being provided with connecting means for connection to a source for pressure fluid and therewith pressurizing the fluid container.

14. A method for dispensing fluid from an at least partly flexible fluid container, which fluid container is included in or forms part of a pressure bag, wherein the weight of the pressure bag having the fluid container therein is measured continuously or periodically while the fluid container is kept  
5 pressurized through supply of a pressure fluid in the pressure bag, while with the aid of a regulating unit, the pressure and the dispensing of fluid is checked based on the measured weight and/ or changes therein and a profile stored in the regulating unit or supplied thereto, while the discharge rate of fluid from the fluid container is controlled with the aid of a flow control unit in a  
10 dispensing tube.

15. A method according to claim 14, wherein the regulating unit is operated and/or programmed with the aid of wireless communication technology such as BlueTooth® technology.